

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT Duval County FL BEC South of Borrow B1				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION CB-DUC04-48		LOCATION COORDINATES X = 416,411 Y = 2,172,181		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27 VERTICAL MLLW			
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES 4		DISTURBED 4 UNDISTURBED (UD) 0			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				DEG. FROM VERTICAL		BEARING			
6. THICKNESS OF OVERBURDEN N/A				13. TOTAL NUMBER CORE BOXES 1					
7. DEPTH DRILLED INTO ROCK N/A				14. ELEVATION GROUND WATER Tidal					
8. TOTAL DEPTH OF BORING 19.5 Ft.				15. DATE BORING 04-19-04					
				16. ELEVATION TOP OF BORING -59.7 Ft.					
				17. TOTAL RECOVERY FOR BORING 100 %					
				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-59.7	0.0		SAND, silty, some subangular fine-grained sand-sized carbonate, trace angular shell up to 1", strong reaction with HCl, wet, 10BG 4/1 dark greenish gray (SM)	100			-59.7		
				100	1		-62.2		
-63.2	3.5		CLAY, lean, medium plasticity, very soft, some silt, trace angular shell up to 1/2", trace fine-grained sand-sized carbonate, 10BG 4/1 dark greenish gray (CL)	100			-63.2		
				100	2		-66.2		
				100			-67.2		
				100			-71.2		
				100	3		-72.2		
-72.7	13.0		SAND, poorly-graded with silt, mostly subangular fine to medium-grained sand-sized carbonate, trace silt, trace angular shell up to 1/4", weak cementation, 5Y 3/2 dark olive gray (SP-SM)	100					

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																		
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																		
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ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-79.2	19.5			100			-75.2 Vibracore																	
				100	4		-76.2 Vibracore																	
				100			Vibracore																	
							-79.2																	
NOTES:																								
1. Soils are field visually classified in accordance with the Unified Soils Classification System.																								
2. Laboratory Testing Results																								
<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.5/3.5</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>6.5/7.5</td> <td>CL*</td> </tr> <tr> <td>3</td> <td>11.5/12.5</td> <td>CL*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SP-SM*</td> </tr> </tbody> </table>			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.5/3.5	SM*	2	6.5/7.5	CL*	3	11.5/12.5	CL*	4	15.5/16.5	SP-SM*							
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*Lab visual classification based on gradation curve. No Atterberg limits.																								
3. Additional Laboratory Testing																								
2 Specific Gravity																								